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[Linux Administration Handbook](#) - Evi Nemeth 2006-10-30

"As this book shows, Linux systems are just as functional, secure, and reliable as their proprietary counterparts. Thanks to the ongoing efforts of thousands of Linux developers, Linux is more ready than ever for deployment at the frontlines of the real world. The authors of this book know that terrain well, and I am happy to leave you in their most capable hands." -Linus Torvalds "The most successful sysadmin book of all time—because it works!" -Rik Farrow, editor of ;login: "This book clearly explains current technology with the perspective of decades of experience in large-scale system administration. Unique and highly recommended." -Jonathan Corbet, cofounder, LWN.net "Nemeth et al. is the overall winner for Linux administration: it's intelligent, full of insights, and looks at the implementation of concepts." -Peter Salus, editorial director, Matrix.net Since 2001, Linux Administration Handbook has been the definitive resource for every Linux® system administrator who must efficiently solve technical problems and maximize the reliability and performance of a production environment. Now, the authors have systematically updated this classic guide to address today's most important Linux distributions and most powerful new administrative tools. The authors spell out detailed best practices for every facet of system administration, including storage management, network design and administration, web hosting,

software configuration management, performance analysis, Windows interoperability, and much more. Sysadmins will especially appreciate the thorough and up-to-date discussions of such difficult topics such as DNS, LDAP, security, and the management of IT service organizations. Linux® Administration Handbook, Second Edition, reflects the current versions of these leading distributions: Red Hat® Enterprise Linux® Fedora™ Core SUSE® Linux Enterprise Debian® GNU/Linux Ubuntu® Linux Sharing their war stories and hard-won insights, the authors capture the behavior of Linux systems in the real world, not just in ideal environments. They explain complex tasks in detail and illustrate these tasks with examples drawn from their extensive hands-on experience.

The Network Society - Manuel Castells 2006

This book explores the patterns and dynamics of the network society through its policies. Topics range from the knowledge economy, based on technology and innovation, to organizational reform and modernization in the public sector. The contributors also examine media and communication policies. Contributors include Jorge Sampaio (president of the Portugese Republic), Manuel Castells (UCLA), Gustavo Cardoso (CIES/ISCTE, Portugal), Dale W. Jorgenson (Harvard University), Khuong M.Vu (Suffolk University), Luc Soete (UNU-INTECH and MERIT), Jane Fountain (University of Massachusetts-Amherst), James Katz (Rutgers

University), Betty Collis (University of Twente, The Netherlands), Geoff Mulgan (Institute of Community Studies, London), Marcelo Branco (Brazilian Information Society), Jonathan Taplin (Annenberg School for Communication, University of Southern California), Imma Tubella (Open University of Catalonia, Barcelona), François Bar (Annenberg School for Communication, USC), Hernan Galperin (Annenberg School for Communication, USC), Jeff Cole (Annenberg School for Communication, USC), William Mitchell (MIT), Erkki Liikanen (Bank of Finland), Pekka Himanen (Helsinki Institute for Information Society and University of California, Berkeley), Carlos Alvarez (secretary of state for the economy, Chile), and Maria João Rodrigues (ISCTE, University of Lisbon).

Digital Signal Processing using MATLAB - Robert J. Schilling
2016-01-01

Now readers can focus on the development, implementation, and application of modern DSP techniques with the new DIGITAL SIGNAL PROCESSING USING MATLAB, 3E. Written using an engaging informal style, this edition inspires readers to become actively involved with each topic. Every chapter starts with a motivational section that highlights practical examples and challenges that readers can solve using techniques covered in the chapter. Each chapter concludes with a detailed case study example, chapter summary, and a generous selection of practical problems cross-referenced to sections within the chapter.

Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

[Energy Technology Policy](#) - International Energy Agency 1985

Programming Algorithms in Lisp - Vsevolod Domkin 2021-03-12

Master algorithms programming using Lisp, including the most important data structures and algorithms. This book also covers the essential tools that help in the development of algorithmic code to give you all you need to enhance your code. Programming Algorithms in Lisp shows real-world engineering considerations and constraints that influence the programs that use these algorithms. It includes practical use cases of the applications of the algorithms to a variety of real-world problems. What

You Will Learn Program algorithms using the Lisp programming language
Work with data structures, arrays, key-values, hash-tables, trees, graphs, and more
Use dynamic programming
Program using strings
Work with approximations and compression
Who This Book Is For Intermediate Lisp programmers wanting to do algorithms programming. A very experienced non-Lisp programmer may be able to benefit from this book as well.

Artificial Intelligence in Medicine - Lei Xing 2020-09-03

Artificial Intelligence Medicine: Technical Basis and Clinical Applications presents a comprehensive overview of the field, ranging from its history and technical foundations, to specific clinical applications and finally to prospects. Artificial Intelligence (AI) is expanding across all domains at a breakneck speed. Medicine, with the availability of large multidimensional datasets, lends itself to strong potential advancement with the appropriate harnessing of AI. The integration of AI can occur throughout the continuum of medicine: from basic laboratory discovery to clinical application and healthcare delivery. Integrating AI within medicine has been met with both excitement and scepticism. By understanding how AI works, and developing an appreciation for both limitations and strengths, clinicians can harness its computational power to streamline workflow and improve patient care. It also provides the opportunity to improve upon research methodologies beyond what is currently available using traditional statistical approaches. On the other hand, computers scientists and data analysts can provide solutions, but often lack easy access to clinical insight that may help focus their efforts. This book provides vital background knowledge to help bring these two groups together, and to engage in more streamlined dialogue to yield productive collaborative solutions in the field of medicine. Provides history and overview of artificial intelligence, as narrated by pioneers in the field
Discusses broad and deep background and updates on recent advances in both medicine and artificial intelligence that enabled the application of artificial intelligence
Addresses the ever-expanding application of this novel technology and discusses some of the unique challenges associated with such an approach

Autocad 2017 - Beginners Guide - Cadfolks 2017-09-17

If you want to learn AutoCAD to create technical drawings, this is the book for you. You will learn to use commands and techniques by following the step-by-step examples given in this book. This book covers everything from creating two-dimensional (2D) and three dimensional (3D) drawings to printing and publishing. The topics covered in this book are illustrated with the help of real world examples such as gaskets, flanges, brackets, schematic line diagrams, and more. Also, this book is well organized and can be used for a course or self-study. - Get familiarized with user interface and navigation tools - Create print ready drawings - Create smart drawings using parametric tools - Have a good command over AutoCAD tools and techniques - Explore the easiest and quickest ways to perform operations - Know how to reuse existing data - Create 3D models and generate 2D drawings

Rust Programming By Example - Guillaume Gomez 2018-01-11

Discover the world of Rust programming through real-world examples Key Features Implement various features of Rust to build blazingly fast applications Learn to build GUI applications using Gtk-rs Explore the multi-threading aspect of Rust to tackle problems in concurrency and in distributed environments Book Description Rust is an open source, safe, concurrent, practical language created by Mozilla. It runs blazingly fast, prevents segfaults, and guarantees safety. This book gets you started with essential software development by guiding you through the different aspects of Rust programming. With this approach, you can bridge the gap between learning and implementing immediately. Beginning with an introduction to Rust, you'll learn the basic aspects such as its syntax, data types, functions, generics, control flows, and more. After this, you'll jump straight into building your first project, a Tetris game. Next you'll build a graphical music player and work with fast, reliable networking software using Tokio, the scalable and productive asynchronous IO Rust library. Over the course of this book, you'll explore various features of Rust Programming including its SDL features, event loop, File I/O, and the famous GTK+ widget toolkit. Through these projects, you'll see how well Rust performs in terms of concurrency—including parallelism, reliability, improved performance, generics, macros, and thread safety. We'll also

cover some asynchronous and reactive programming aspects of Rust. By the end of the book, you'll be comfortable building various real-world applications in Rust. What you will learn Compile and run the Rust projects using the Cargo-Rust Package manager Use Rust-SDL features such as the event loop, windows, infinite loops, pattern matching, and more Create a graphical interface using Gtk-rs and Rust-SDL Incorporate concurrency mechanism and multi-threading along with thread safety and locks Implement the FTP protocol using an Asynchronous I/O stack with the Tokio library Who this book is for This book is for software developers interested in system level and application programming who are looking for a quick entry into using Rust and understanding the core features of the Rust Programming. It's assumed that you have a basic understanding of Java, C#, Ruby, Python, or JavaScript.

Black, Blind, & In Charge - David Paterson 2020-09-29

"I have had this desire my whole life to prove people wrong, to show them I could do things they didn't think I could do."--David Paterson A title that hits you between the eyes is second only to a Governor put in office by a prostitution scandal. Scandals aside, David Paterson overcame severe disability and racial prejudice to become a state senator, lieutenant governor, and—unexpectedly—governor of New York. Paterson is well known for his remarkable vision. In a rising climate of denial and with fiscal crisis looming, Paterson appeared—seemingly from the wilderness—to sound the alarm about the impending crisis after being in service for only a few months. But his leadership extends well beyond reducing a 21.3-billion-dollar budget deficit during the worst economic downturn in recent history. From standing in protest outside Amazon against Kindle accessibility for the blind, to advocating the overthrow of a corrupt Trinidadian government, he made his mark during his three-year tenure. He made procedural changes that resulted in no state budget being late since his departure from office. He fought for same sex marriage and against disability discrimination. When he appeared on an episode of Saturday Night Live, he even quipped, "You guys spent so much time talking about my blindness that I forgot I was black." Paterson was the first and only blind governor—other than a man who held the title

for eleven days in 1975—and the fourth person of African descent to hold the office of governor in American history. Paterson may also be the only governor in history to have been arrested outside the governor's office prior to his service. You will want to read about that one. His candid admissions, even while serving as governor, are refreshing in this era where the truth and public servants are rarely mentioned in the same sentence. This book is at times hilarious, shocking, heartfelt, and then—when you least expect it—soulful, passionate, irreverent, and extraordinary. This is a self-help book encapsulated from the memories of one who continues to help himself through his service to others, the credo of public life. Since leaving office, the former governor has flourished as a talk show host, consultant to industry, Chair of the NY State Democratic Party, Director of Investments with the Moldaver Paterson Lee Group at Stifel Investment Bank, and now Senior Vice President & Special Advisor to the President of the Las Vegas Sands Corporation. What's next for David Paterson? The governor stated in one of his lighter moments in the journey of *Black, Blind and In Charge*: "I may take a run at the Presidency, or, better still, the Vice Presidency and another scandal."

Dr. Macintosh - Bob LeVitus 1989

Offers advice on using the Macintosh computer and covers file recovery, hard disk management, file backup, hardware upgrades, printers, utility software, and modems

The Norton Introduction to Philosophy - Gideon Rosen 2015-01-14

Edited by a team of four leading philosophers, *The Norton Introduction to Philosophy* introduces students to contemporary perspectives on major philosophical issues and questions. This text features an impressive array of readings, including 25 specially-commissioned essays by prominent philosophers. A student-friendly presentation, a handy format, and a low price make *The Norton Introduction to Philosophy* as accessible and affordable as it is up-to-date.

Physical Agents Theory and Practice - Barbara J Behrens 2014-08-06

Develop the clinical decision-making skills you need to be a successful PTA. This easy-to-follow approach helps you learn how to successfully relate thermal, mechanical, and electrical modalities with specific

therapeutic goals while understanding all of the physiologic ramifications
Telecommunication Transmission Systems - Robert G. Winch 1998

The new edition of this bestselling guide contains all the information needed to master the ever-growing complexities of contemporary digital transmission equipment. Encompassing the full scope of the field, this book has the answers for engineers seeking to design and implement high performance telecommunications. It covers LANs, fiber optics, satellite systems, state of the art digital cellular and PCS systems, Internet and Intranet transmission systems, bandwidth issues and more, all with a professional rather than theoretical focus.

Numerical Aerodynamic Simulation - 1987

Data Sources - 2000

Bandit Country - Toby Harnden 2010-03-10

South Armagh was first described as "Bandit Country" by Merlyn Rees when he was Northern Ireland's Secretary of State, and for nearly three decades it has been the most dangerous posting in the world for soldiers. Toby Harnden has stripped away the myth and propaganda associated with South Armagh to produce one of the most compelling and important books of the subject. Drawing on secret documents and interviews in South Armagh's recent history, he tells the inside story of how the IRA came close to bringing the British state to its knees. For the first time, the identities of the men behind the South Quay and Manchester bombings are revealed. Packed with new information, "Bandit Country" penetrates the IRA and the security forces in South Armagh."

Missile Aerodynamics - Jack Norman Nielsen 1988-01-01

The similarities between the airplane and the missile extend beyond their flying capabilities, and at higher operational speeds, the configuration distinctions become even less apparent. "Missile Aerodynamics," a classic now available from AIAA and Nielsen Engineering and Research, Inc., combines the best of missile and airplane aerodynamics, drawing extensively from numerous technical papers to present a rational and unified account of the principles behind missile projection. Evaluate the

missile versus the airplane in a multitude of areas, from longitudinal acceleration, wing loading, roll and dynamic stability, guidance and navigation, and more. J.N. Nielsen covers every aspect of missile aerodynamics, from the classification of missiles and basic formulas to innovative aerodynamic controls. In one reliable reference, readers will find hundreds of schematics, equations, and tables with practical applications in missile design and engineering. Originally published by Nielsen Engineering and Research, Inc.

Cells in Space - Jean D. Sibonga 1989

Discussions and presentations addressed three aspects of cell research in space: the suitability of the cell as a subject in microgravity experiments, the requirements for generic flight hardware to support cell research, and the potential for collaboration between academia, industry, and government to develop these studies in space. Synopses are given for the presentations and follow-on discussions at the conference and papers are presented from which the presentations were based. An Executive Summary outlines the recommendations and conclusions generated at the conference.

Peeking at Peak Oil - Kjell Aleklett 2012-05-19

The term "Peak Oil" was born in January 2001 when Colin Campbell formed the Association for the Study of Peak Oil & Gas (ASPO). Now, Peak Oil is used thousands of times a day by journalists, politicians, industry leaders, economists, scientists and countless others around the globe. Peak Oil is not the end of oil but it tells us the end is in sight. Anyone interested in food production, economic growth, climate change or global security needs to understand this new reality. In *Peeking at Peak Oil* Professor Kjell Aleklett, President of ASPO International and head of the world's leading research group on Peak Oil, describes the decade-long journey of Peak Oil from extremist fringe theory to today's accepted fact: Global oil production is entering terminal decline. He explains everything you need to know about Peak Oil and its world-changing consequences from an insider's perspective. In simple steps, Kjell tells us how oil is formed, discovered and produced. He uses science to reveal the errors and deceit of national and international oil authorities, companies and

governments too terrified to admit the truth. He describes his personal involvement in the intrigues of the past decade. What happens when a handful of giant oil fields containing two thirds of our planet's oil become depleted? Will major oil consumers such as the EU and US face rationing within a decade? Will oil producing nations conserve their own oil when they realize that no one can export oil to them in the future? Does Peak Oil mean Peak Economic Growth? If you want to know the real story about energy today and what the future has in store, then you need to be "Peeking at Peak Oil".

Raspberry Pi Cookbook for Python Programmers - Tim Cox 2014-04-16

Raspberry Pi Cookbook for Python Programmers is written in a Cookbook format, presenting examples in the style of recipes. This allows you to go directly to your topic of interest, or follow topics throughout a chapter to gain a thorough in-depth knowledge. The aim of this book is to bring you a broad range of Python 3 examples and practical ideas which you can develop to suit your own requirements. By modifying and combining the examples to create your own projects you learn far more effectively with a much greater understanding. Each chapter is designed to become a foundation for further experimentation and discovery of the topic, providing you with the tools and information to jump right in. Readers are expected to be familiar with programming concepts and Python (where possible Python 3 is used), although beginners should manage with the help of a good Python reference book and background reading. No prior knowledge of the Raspberry Pi or electronics is required; however for the hardware sections you will need some basic electronic components/household tools to build some of the projects.

Adaptive Instructional Systems - Robert A. Sottolare 2019-07-10

This book constitutes the refereed proceedings of the First International Conference on Adaptive Instructional Systems, AIS 2019, held in July 2019 as part of HCI International 2019 in Orlando, FL, USA. HCI 2019 received a total of 5029 submissions, of which 1275 papers and 209 posters were accepted for publication after a careful reviewing process. The 50 papers presented in this volume are organized in topical sections named: Adaptive Instruction Design and Authoring, Interoperability and

Standardization in Adaptive Instructional Systems, Instructional Theories in Adaptive Instruction, Learner Assessment and Modelling, AI in Adaptive Instructional Systems, Conversational Tutors.

GPU Pro 7 - Wolfgang Engel 2016-03-23

The latest edition of this bestselling game development reference offers proven tips and techniques for the real-time rendering of special effects and visualization data that are useful for beginners and seasoned game and graphics programmers alike. Exploring recent developments in the rapidly evolving field of real-time rendering, *GPU Pro 7: Advanced*

Mastering PostgreSQL 10 - Hans-Jürgen Schönig 2018-01-31

Master the capabilities of PostgreSQL 10 to efficiently manage and maintain your database. Key Features: Your one-stop guide to mastering advanced concepts in PostgreSQL 10 with ease. Master query optimization, replication, and high availability with PostgreSQL. Extend the functionalities of your PostgreSQL instance to suit your organizational needs with minimal effort. Book Description: PostgreSQL is an open source database used for handling large datasets (big data) and as a JSON document database. This book highlights the newly introduced features in PostgreSQL 10, and shows you how you can build better PostgreSQL applications, and administer your PostgreSQL database more efficiently. We begin by explaining advanced database design concepts in PostgreSQL 10, along with indexing and query optimization. You will also see how to work with event triggers and perform concurrent transactions and table partitioning, along with exploring SQL and server tuning. We will walk you through implementing advanced administrative tasks such as server maintenance and monitoring, replication, recovery, high availability, and much more. You will understand common and not-so-common troubleshooting problems and how you can overcome them. By the end of this book, you will have an expert-level command of advanced database functionalities and will be able to implement advanced administrative tasks with PostgreSQL 10. What you will learn: Get to grips with the advanced features of PostgreSQL 10 and handle advanced SQL. Make use of the indexing features in PostgreSQL and fine-tune the performance of your queries. Work with stored procedures and manage

backup and recovery. Master replication and failover techniques. Troubleshoot your PostgreSQL instance for solutions to common and not-so-common problems. Learn how to migrate your database from MySQL and Oracle to PostgreSQL without any hassle. Who this book is for: If you are a PostgreSQL data architect or an administrator and want to understand how to implement advanced functionalities and master complex administrative tasks with PostgreSQL 10, then this book is perfect for you. Prior experience of administering a PostgreSQL database and a working knowledge of SQL are required to make the best use of this book.

Principles of Data Structures Using C and C++ - Vinu V. Das 2006

About the Book: Principles of DATA STRUCTURES using C and C++ covers all the fundamental topics to give a better understanding about the subject. The study of data structures is essential to every one who comes across with computer science. This book is written in accordance with the revised syllabus for B. Tech./B.E. (both Computer Science and Electronics branches) and MCA. students of Kerala University, MG University, Calicut University, CUSAT Cochin (deemed) University, NIT Calicut (deemed) University, Anna University, UP Technical University, Amritha Viswa (deemed) Vidyapeeth, Karunya (deemed).

Digital Telephony - 1977

Probability and Statistics for Engineers and Scientists - Ronald E. Walpole 2017

For junior/senior undergraduates taking probability and statistics as applied to engineering, science, or computer science. This classic text provides a rigorous introduction to basic probability theory and statistical inference, with a unique balance between theory and methodology. Interesting, relevant applications use real data from actual studies, showing how the concepts and methods can be used to solve problems in the field. This revision focuses on improved clarity and deeper understanding. This latest edition is also available in as an enhanced Pearson eText. This exciting new version features an embedded version of StatCrunch, allowing students to analyze data sets while reading the

book. Also available with MyStatLab MyStatLab(tm) is an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, test their understanding, and pursue a personalized study plan that helps them absorb course material and understand difficult concepts. Note: You are purchasing a standalone product; MyLab(tm) & Mastering(tm) does not come packaged with this content. Students, if interested in purchasing this title with MyLab & Mastering, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab & Mastering, search for: 0134468910 / 9780134468914 Probability & Statistics for Engineers & Scientists, MyStatLab Update with MyStatLab plus Pearson eText -- Access Card Package 9/e Package consists of: 0134115856 / 9780134115856 Probability & Statistics for Engineers & Scientists, MyStatLab Update 0321847997 / 9780321847997 My StatLab Glue-in Access Card 032184839X / 9780321848390 MyStatLab Inside Sticker for Glue-In Packages

Professional SQL Server 2012 Internals and Troubleshooting - Christian Bolton 2012-10-18

Hands-on troubleshooting methods on the most recent release of SQL Server The 2012 release of SQL Server is the most significant one since 2005 and introduces an abundance of new features. This critical book provides in-depth coverage of best practices for troubleshooting performance problems based on a solid understanding of both SQL Server and Windows internals and shows experienced DBAs how to ensure reliable performance. The team of authors shows you how to master the use of specific troubleshooting tools and how to interpret their output so you can quickly identify and resolve any performance issue on any server running SQL Server. Covers the core technical topics required to understand how SQL Server and Windows should be working Shares best practices so that you know how to proactively monitor and avoid problems Shows how to use tools to quickly gather, analyze, and effectively respond to the source of a system-wide performance issue

Professional SQL Server 2012 Internals and Troubleshooting helps you to quickly become familiar with the changes of this new release so that you can best handle database performance and troubleshooting.

Effective Oracle by Design - Thomas Kyte 2003-09-12

Tom Kyte of Oracle Magazine's "Ask Tom" column has written the definitive guide to designing and building high-performance, scalable Oracle applications. The book covers schema design, SQL and PL/SQL, tables and indexes, and much more. From the exclusive publisher of Oracle Press books, this is a must-have resource for all Oracle developers and DBAs.

Beginning DB2 - Grant Allen 2008-11-20

IBM's DB2 Express Edition is one of the most capable of the free database platforms available in today's marketplace. In *Beginning DB2*, author Grant Allen gets you started using DB2 Express Edition for web sites, desktop applications, and more. The author covers the basics of DB2 for developers and database administrators, shows you how to manage data in both XML and relational form, and includes numerous code examples so that you are never in doubt as to how things work. In this book, you'll find: A friendly introduction to DB2 Express Edition, an industrial-strength, relational database from IBM Dozens of examples so that you are never in doubt as to how things work Coverage of important language interfaces, such as from PHP, Ruby, C#, Python, and more The book is aimed at developers who want a robust database to back their applications.

The DevOps 2.0 Toolkit - Viktor Farcic 2016-08-31

Automating the Continuous Deployment Pipeline with Containerized Microservices About This Book* First principles of devops, Ansible, Docker, Kubernetes, microservices* Architect your software in a better and more efficient way with microservices packed as immutable containers* Practical guide describing an extremely modern and advanced devops toolchain that can be improved continuously Who This Book Is For If you are an intermediate-level developer who wants to master the whole microservices development and deployment lifecycle using some of the latest and greatest practices and tools, this is the book for you. Familiarity with the basics of Devops and Continuous Deployment will be useful. What

You Will Learn * Get to grips with the fundamentals of Devops* Architect efficient software in a better and more efficient way with the help of microservices* Use Docker, Kubernetes, Ansible, Ubuntu, Docker Swarm and more* Implement fast, reliable and continuous deployments with zero-downtime and ability to roll-back* Learn about centralized logging and monitoring of your cluster* Design self-healing systems capable of recovery from both hardware and software failures

In Detail Building a complete modern devops toolchain requires not only the whole microservices development and a complete deployment lifecycle, but also the latest and greatest practices and tools. Victor Faric argues from first principles how to build a devops toolchain. This book shows you how to chain together Docker, Kubernetes, Ansible, Ubuntu, and other tools to build the complete devops toolkit.

Style and approach This book follows a unique, hands-on approach familiarizing you to the Devops 2.0 toolkit in a very practical manner. Although there will be a lot of theory, you won't be able to complete this book by reading it in a metro on a way to work. You'll need to be in front of your computer and get your hands dirty.

Outgrowing the Earth - Lester R. Brown 2012-04-27

Historically, food security was the responsibility of ministries of agriculture but today that has changed: decisions made in ministries of energy may instead have the greatest effect on the food situation. Recent research reporting that a one degree Celsius rise in temperature can reduce grain yields by 10 per cent means that energy policy is now directly affecting crop production. Agriculture is a water-intensive activity and, while public attention has focused on oil depletion, it is aquifer depletion that poses the more serious threat. There are substitutes for oil, but none for water and the link between our fossil fuel addiction, climate change and food security is now clear. While population growth has slowed over the past three decades, we are still adding 76 million people per year. In a world where the historical rise in land productivity has slowed by half since 1990, eradicating hunger may depend as much on family planners as on farmers. The bottom line is that future food security depends not only on efforts within agriculture but also on energy policies that stabilize climate, a worldwide effort to raise water productivity, the evolution of land-

efficient transport systems, and population policies that seek a humane balance between population and food. Outgrowing the Earth advances our thinking on food security issues that the world will be wrestling with for years to come.

[The Official MacGyver Survival Manual](#) - Allain Rhett 2019-09-17

Handy (and often hilarious) hacks from the resourceful TV hero. Includes illustrations! For over thirty years, the name MacGyver has been synonymous with astonishing feats of ingenuity, from fixing a car with nothing but water and egg whites to busting out of jail using a hairpin and a pair of repurposed handcuffs to, of course, saving the world with his favorite weapon, a simple paperclip. What you might not know is that every trick that the resourceful secret agent pulls off on CBS's hit show has been tested and fact-checked by experts, and really works . . . most of the time. No one is saying that you should craft a DIY airplane out of trash bags and a lawnmower engine. But with this book, you could. The first official how-to guide to the MacGyver universe, this book is packed with drawings and step-by-step descriptions of the hacks that made this character the world's most resourceful secret agent. It's lots of fun for fans of the new hit series as well as the classic show that started it all—or anyone who enjoys a bit of applied physics and clever problem-solving.

Snake Oil - Richard Heinberg 2014-03-24

The rapid spread of 'fracking' (hydraulic fracturing) has temporarily boosted natural gas and oil production, particularly in the USA, but it has also sparked a massive environmental backlash in local communities. The fossil fuel industry is promoting fracking as the biggest energy development of the century, with seductive promises of energy independence and benefits to local economies. Snake Oil casts a critical eye on the oil-industry hype that has hijacked the discussion over energy security. This is the first book to look at fracking from both economic and environmental perspectives, informed by the most thorough analysis of shale gas and oil drilling data ever undertaken. Is fracking the miracle cure-all to our energy ills, or a costly distraction from the necessary work of reducing our fossil fuel dependence?

Quality systems - model for quality assurance in

design/development, production, installation and servicing - Standards Association of New Zealand 1990

Advanced Operating Systems and Kernel Applications: Techniques and Technologies - Wiseman, Yair 2009-09-30

"This book discusses non-distributed operating systems that benefit researchers, academicians, and practitioners"--Provided by publisher.

Our Renewable Future - Richard Heinberg 2016-06-02

"Over the next few decades, we will see a profound energy transformation as society shifts from fossil fuels to renewable resources like solar, wind, biomass. But what might a one hundred percent renewable future actually look like, and what obstacles will we face in this transition? Authors explore the practical challenges and opportunities presented by the shift to renewable energy."--Page 4 of cover.

Global Satellite Meteorological Observation (GSMO) Applications - Stojče Dimov Ilčev 2018-12-05

This book presents principal structures of space systems functionality of meteorological networks, media and applications for modern remote sensing, transmission systems, meteorological ground and users segments and transferring weather data from satellite to the ground infrastructures and users. The author presents techniques and different modes of satellite image interpretation, type of satellite imagery, spectral imaging properties, and enhancement of imaging technique, geo-location and calibration, atmospheric and surface phenomena. Several satellite meteorological applications are introduced including common satellite remote sensing applications, weather analysis, warnings and prediction, observation and measurements of meteorological variables, atmosphere and surface applications, ocean and coastal applications, land, agriculture and forestry applications, and maritime and aviation satellite weather applications. The author also covers ground segment and user segment in detail. The final chapter looks to the future, covering possible space integrations in meteorological and weather observation. This is a companion book of *Global Satellite Meteorological Observation Theory* (Springer), which provides the following topics: Evolution of

meteorological observations and history satellite meteorology Space segment with satellite orbits and meteorological payloads Analog and digital transmission, type of modulations and broadcasting systems Atmospheric radiation, satellite meteorological parameters and instruments Meteorological antenna systems and propagation A Course in In-Memory Data Management - Hasso Plattner 2014-05-28 Recent achievements in hardware and software development, such as multi-core CPUs and DRAM capacities of multiple terabytes per server, enabled the introduction of a revolutionary technology: in-memory data management. This technology supports the flexible and extremely fast analysis of massive amounts of enterprise data. Professor Hasso Plattner and his research group at the Hasso Plattner Institute in Potsdam, Germany, have been investigating and teaching the corresponding concepts and their adoption in the software industry for years. This book is based on an online course that was first launched in autumn 2012 with more than 13,000 enrolled students and marked the successful starting point of the openHPI e-learning platform. The course is mainly designed for students of computer science, software engineering, and IT related subjects, but addresses business experts, software developers, technology experts, and IT analysts alike. Plattner and his group focus on exploring the inner mechanics of a column-oriented dictionary-encoded in-memory database. Covered topics include - amongst others - physical data storage and access, basic database operators, compression mechanisms, and parallel join algorithms. Beyond that, implications for future enterprise applications and their development are discussed. Step by step, readers will understand the radical differences and advantages of the new technology over traditional row-oriented, disk-based databases. In this completely revised 2nd edition, we incorporate the feedback of thousands of course participants on openHPI and take into account latest advancements in hard- and software. Improved figures, explanations, and examples further ease the understanding of the concepts presented. We introduce advanced data management techniques such as transparent aggregate caches and provide new showcases that demonstrate the potential of in-memory databases for two diverse industries: retail and life

sciences.

Protect Your Macintosh - Bruce Schneier 1994-01

Uncovers a host of problems and suggested solutions for issues ranging from protecting data from thieves or spies; backing up and storing files; and safeguarding from viruses to choosing bars, chains, and locks to prevent physical removal. Original. (All Users).

Real World Digital Photography - Katrin Eismann 2010-09-23

Whether you're a serious photographer or a hobbyist, the advice and instruction found in this comprehensive, best-selling guide to digital photography will help you advance your skills to produce consistent professional results. Real World Digital Photography addresses the wide range of topics surrounding digital photography, including up-to-date descriptions of the latest camera technologies, expert advice for taking better photographs, and tips and techniques for optimizing images to look their best in print and on the Web. Adventurous photographers can explore new sections explaining high dynamic range as well as panoramic and night photography. You'll also learn how to establish an effective,

efficient workflow using Adobe Photoshop Lightroom and Adobe Photoshop — the two must-have tools for any serious photographer. In Real World Digital Photography, Third Edition you'll learn about: The essential technical considerations and professional skills to improve your photography How digital cameras work and the resulting impact on how and what you photograph Fundamentals of digital photography, including how to use lighting, composition, and lens choice to create compelling images How to establish a digital editing workflow that produces successful, repeatable, reliable results Practical image-editing techniques to improve tone and contrast, correct colors, enhance sharpness, and more How to photograph source images to create stunning high dynamic range and panoramic photographs The essential requirements of a professional color-managed workflow so that what you see is really what you print Expanding your creative options with night photography, time lapse, and stop motion photography As you're reading the book, share your photographs with the authors and others reading it via the book's Flickr group at flickr.com/groups/RealWorldDigitalPhotography.